PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER 1) OR CHAPTER II
OF THE PATENT COOPERATION TREATY)
(PCT Rules 44bis.3(c) and 72.2)

To:

HASEGAWA, Yoshiki Soei Patent and Law Firm, Ginza First Bldg. 10-6, Ginza 1-chome Chuo-ku, Tokyo 1040061 JAPON

Date of mailing (day/month/year) 15 September 2005 (15.09.2005)	
Applicant's or agent's file reference FP03-0384-00	IMPORTANT NOTIFICATION
International application No. PCT/JP2004/000077	International filing date (day/month/year) 08 January 2004 (08.01.2004)
Applicant HA	MAMATSU PHOTONICS K.K. et al

1. 7	ransmittal	of the	translation	ίο	the ar	pplicant
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•	The International Bureau transmits herewith a cop	by of the English translation of the	international preliminary report on
	patentability (Chapter 1).		
	•		

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Masashi Honda
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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference FP03-0384-00	FOR FURTHER ACTION	See item 4 below					
International application No. PCT/JP2004/000077	International filing date (day/month/year) 08 January 2004 (08.01.2004)	Priority date (day/month/year) 08 January 2003 (08.01.2003)]					
International Patent Classification (IPC) or national classification and IPC 7 H01L 27/146, G01T 1/24, 1/20, H01L 31/02							
Applicant HAMAMATSU PHOTONICS K.K.							

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis. I(a).					
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.					
	In the attached sheets, any refere to the international preliminary		the International Searching Authority should be read as a reference er I) instead.			
3.	This report contains indications	relating to the following items	::			
	Box No. I	Basis of the report				
	Box No. Π	Priority				
	Box No. III	Non-establishment of opin applicability	ion with regard to novelty, inventive step and industrial			
	Box No. IV	Lack of unity of invention				
	Box No. V		Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement			
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the inter	national application			
	Box No. VIII	Certain observations on the	e international application			
4.			gnated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but er Article 23(2), before the expiration of 30 months from the priority			
			Date of issuance of this report 02 September 2005 (02.09.2005)			
	The International Bure	ean of WTPO	Authorized officer			

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PATENT COOPERATION TREATY

Pranslation From the INTERNATIONAL SEARCHING AUTHORITY PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing 13-04-2004 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION FP03-0384-00 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2004/000077 08-01-2004 08-01-2003 International Patent Classification (IPC) or both national classification and IPC HO1L 27/146, GO1T 1/24, 1/20, HO1L 31/02 Applicant HAMAMATSU PHOTONICS K.K. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability: citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Date of completion of this opinion Authorized officer Facsimile No. Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/000077

Box	No. I	Basis of the report	
1.	With re	egard to the language, this opinion has been established on the basis of:	
		ne international application in the language in which it was filed	
	ti	ne translation of the international application into	, which is the language of a
	tı	ranslation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)).	<i>5</i> - <i>6</i> - 1
2.	With reinvention	egard to any nucleotide and/or amino acid sequence disclosed in the international application on, this opinion has been established on the basis of:	and necessary to the claimed
	a. ty	ype of material	
		a sequence listing	
		-table(s) related to the sequence listing	
	b. fo	ormat of material	
		on paper	
	Ī	in electronic form	
	c. ti	me of filing/furnishing	
	Г	contained in the international application as filed	•
	F	filed together with the international application in electronic form	
_		furnished subsequently to this Authority for the purposes of search	•
	L	infinished subsequently to this Authority for the purposes of search	
 3. 4. 	n fi	n addition, in the case that more than one version or copy of a sequence listing and/or table(s) rel amished, the required statements that the information in the subsequent or additional copies is identi- led or does not go beyond the application as filed, as appropriate, were furnished.	ating thereto has been filed or cal to that in the application as
	Additio	mai comments.	
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/00007

	INTERNATION.	- DEMIC	PC1/0P2004/0000//			
Box	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1.	Statement					
	Novelty (N)	Claims	1-11	YES		
		Claims		NO		
	Inventive step (IS)	Claims	1-11	YES		
		Claims		NO		
	Industrial applicability (IA)	Claims	1-11	YES		
		Claims		NO		
2.	Citations and explanations: Document 1	• .TP	2002-359446 A (Hitachi, Ltd.), 13			
	·		cember 2002, entire text, fig. 1-35			
	Document 2		8-330469 A (Hitachi, Ltd.), 13			
	Documenc 2		•			
	Dammant 3		cember 1996, entire text, fig. 1-17			
	Document 3		6-347480 A (Nitto Denko Corp.), 22	٠		
			cember 1994, entire text, fig. 1-5			
	Document 4		2002/0038851 A1 (Kenji Kajiwara), 4			
		Ap	ril 2002, entire text, fig. 1-38			
	The	invent	ions set forth in claims 1 to 11 are			
	neither di	sclose	ed nor suggested in any of documents			
	1 to 4 cit	ed in	the international search report.			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/000077

Box No. VI Certain documents cited								
1. Certain published documents (Rule 43bis.1 and 70.10)								
			Application Patent No	No. o	Publication date (day/month/year)	Filing (day/mor	g date uth/year)	Priority date (valid claim) (day/month/year)
		EX JI	2003 A	-264280	19-09-2003	08-03	-2002	
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2.	Non-w	ritten discl	osures (Rule	43bis.1 and 70.9)				
		Kind	of non-writte	n disclosure	Date of non-written disclosure (day/month/year)		Date of written disclosure referring to non-written disclosure (day/month/year)	
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